

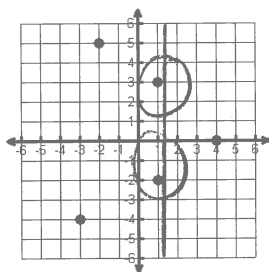
# Domain and Range

Name: \_\_\_\_\_

State the domain and range for each graph and whether or not the graph is a function (write yes or no).  
Also state whether the graph is discrete or continuous.

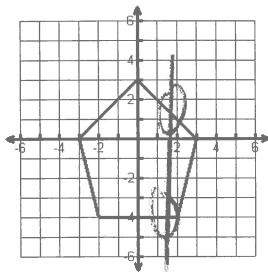
*discrete data relation not fun*

1	Set	Interval
D	$\{-3, -2, 1\}$	
R	$\{-4, -2, 3, 5\}$	
Function?	N	

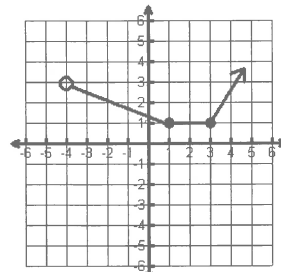


*continuous data relation not fun*

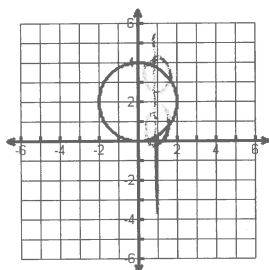
2	Set	Interval
D	$\{x   -3 \leq x \leq 3\}$	$[-3, 3]$
R	$\{y   -4 \leq y \leq 3\}$	$[-4, 3]$
Function?	N	



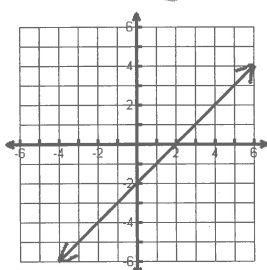
3	Set	Interval
D	$\{x   x > -4\}$	$(-4, \infty)$
R	$\{y   y \geq 1\}$	$[1, \infty)$
Function?	Y	



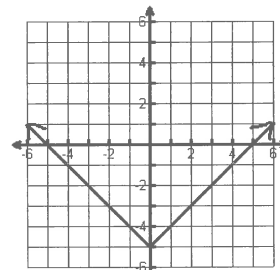
4	Set	Interval
D	$\{-2 \leq x \leq 2\}$	$[-2, 2]$
R	$\{0 \leq y < 4\}$	$[0, 4)$
Function?	No	



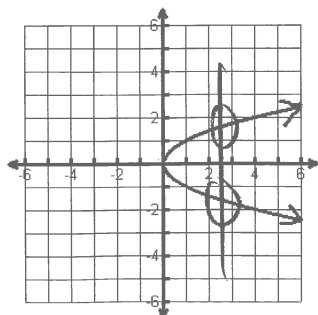
5	Set	Interval
D	$\{x   x \in \mathbb{R}\}$	$(-\infty, \infty)$
R	$\{y   y \in \mathbb{R}\}$	$(-\infty, \infty)$
Function?	Y	



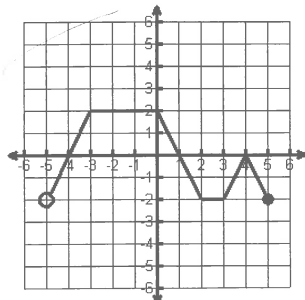
6	Set	Interval
D	$\{x   x \in \mathbb{R}\}$	$(-\infty, \infty)$
R	$\{y   y \geq -5\}$	$[-5, \infty)$
Function?	Y	



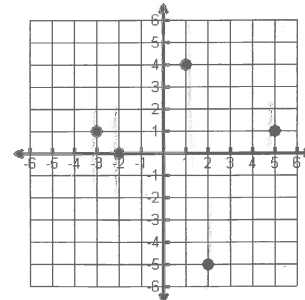
7	Set	Interval
D	$\{x   x \in \mathbb{R}\}$	$(-\infty, \infty)$
R	$\{y   y \leq 0\}$	$(-\infty, 0]$
Function?	N	



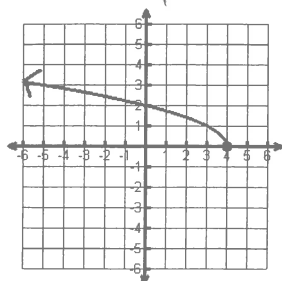
8	Set	Interval
D	$\{-6 < x \leq 5\}$	$(-6, 5]$
R	$\{-2 < y \leq 2\}$	$(-2, 2]$
Function?	Y	



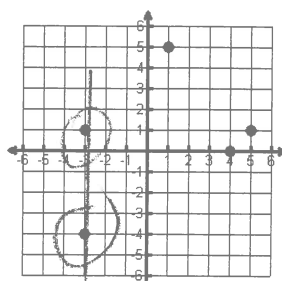
9	Set	Interval
D	$\{-3, -2, 1, 5\}$	
R	$\{-5, -4, 3, 4\}$	
Function?	Y	



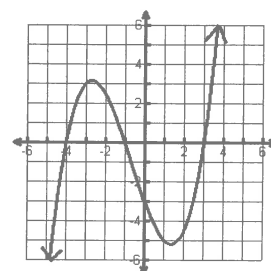
10	Set	Interval
D	$\{x   x \leq 4\}$	$(-\infty, 4]$
R	$\{y   y \geq 0\}$	$[0, \infty)$
Function? $\checkmark$		



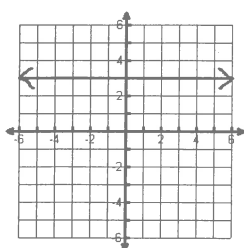
11	Set	Interval
D	$\{-3, 1, 4, 5\}$	
R	$\{-4, -1, 5\}$	
Function? $\checkmark$		



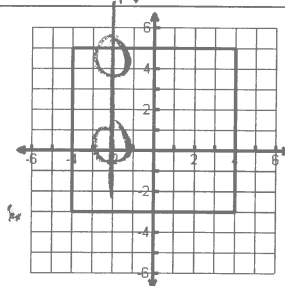
12	Set	Interval
D	$\{x   x \in \mathbb{R}\}$	$(-\infty, \infty)$
R	$\{y   y \in \mathbb{R}\}$	$(-\infty, \infty)$
Function? $\checkmark$		



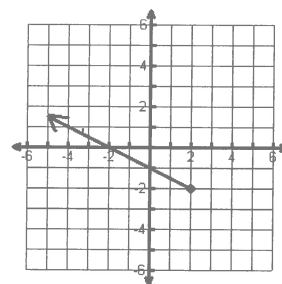
13	Set	Interval
D	$\{x   x \in \mathbb{R}\}$	$(-\infty, \infty)$
R	$\{y   y = 3\}$	$[3]$
Function? $\checkmark$		



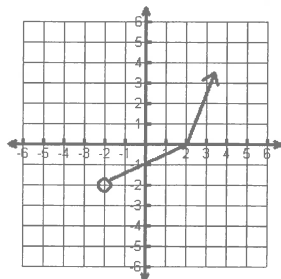
14	Set	Interval
D	$\{1 \leq x < 4\}$	$[1, 4)$
R	$\{-3 \leq y \leq 5\}$	$[-3, 5]$
Function? $\checkmark$		



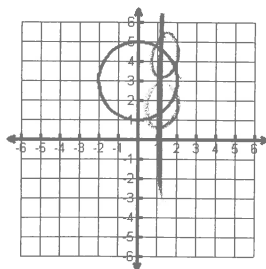
15	Set	Interval
D	$\{x   x \leq 2\}$	$(-\infty, 2]$
R	$\{y   y \geq -2\}$	$[-2, \infty)$
Function? $\checkmark$		



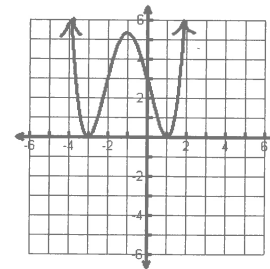
16	Set	Interval
D	$\{x   x > 2\}$	$(2, \infty)$
R	$\{y   y > -2\}$	$(-2, \infty)$
Function? $\checkmark$		



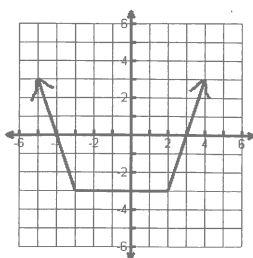
17	Set	Interval
D	$\{-2 \leq x \leq 2\}$	$[-2, 2]$
R	$\{1 \leq y \leq 5\}$	$[1, 5]$
Function? $\checkmark$		



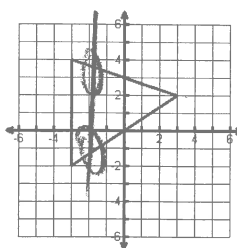
18	Set	Interval
D	$\{x   x \in \mathbb{R}\}$	$(-\infty, \infty)$
R	$\{y   y \geq 0\}$	$[0, \infty)$
Function? $\checkmark$		



19	Set	Interval
D	$\{x   x \in \mathbb{R}\}$	$(-\infty, \infty)$
R	$\{y   y \geq -3\}$	$[-3, \infty)$
Function? $\checkmark$		



20	Set	Interval
D	$\{-3 \leq x \leq 3\}$	$[-3, 3]$
R	$\{-2 \leq y \leq 3\}$	$[-2, 3]$
Function? $\checkmark$		



21	Set	Interval
D	$\{x   x \in \mathbb{R}\}$	$(-\infty, \infty)$
R	$\{y   y \geq 1\}$	$[1, \infty)$
Function? $\checkmark$		

